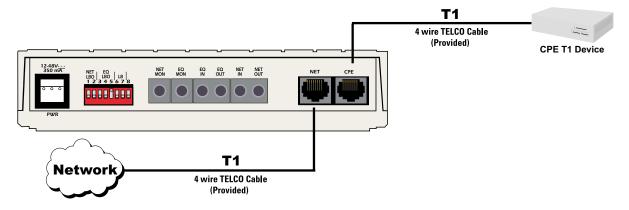


TSU CSU ACE P/N 1202022L1



NETWORK CONNECTION PINOUT

Pin	Name	Description
1	R1 RXDATA	Receive data from the Network - Ring
2	T1 RXDATA	Receive data from the Network - Tip
3, 6, 7, 8	UNUSED	n/a
4	R TXDATA	Transmit data towards the Network - Ring
5	T TXDATA	Transmit data towards the Network - Tip

CPE CONNECTION PINOUT

Pin	Name	Description
1	R TXDATA	Transmit data towards the Network - Ring
2	T TXDATA	Transmit data towards the Network - Tip
3, 6, 7, 8	UNUSED	n/a
4	R1 RXDATA	Receive data from the Network - Ring
5	T1 RXDATA	Receive data from the Network - Tip

INSTALLATION INFORMATION

- An eight-position modular jack (labeled NETWORK) is provided to connect to the network T1 circuit. The pinout is provided on this Quick Start Guide. See Chapter 2, Installation, of the TSU User Manual for more information. An eight-position modular jack (labeled CPE) is provided to connect to the customer equipment. The pinout is provided on this Quick Start Guide. See Chapter 2, Installation, of the TSU CSU ACE User Manual for more information.
- The rear panel contains LBO dip switches for both the Network and CPE interfaces. Detailed instructions on setting the switch positions are found on the back of this sheet.
- The TSU CSU ACE can be powered by either of the following methods:
 - 1. Use the included NEC Class 2, 12V at 400 mA wall mount power supply.
 - 2. Connect to a reliably grounded 12-48 Vdc source which is electrically isolated from the AC source. *Note: The branch circuit overcurrent protection shall be a fuse or circuit breaker rated 48V, minimum to 10A, maximum.*
- Additional information can be found on the product CD which contains the TSU User Manual, FAQs, Data Sheets, Applications, and White Papers.

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NETWORK LBO SWITCH POSITION SETTINGS

Position 1	Position 2	Attenuation (dB)
On	On	0
On	Off	7.5
Off	On	15
Off	Off	22.5

CPE LBO SWITCH POSITION SETTINGS

Position 3	Position 4	Position 5	Cable Length (feet)
Off	Off	On	0-133
On	On	Off	134-265
Off	On	Off	266-399
On	Off	Off	400-533
Off	Off	Off	534-655

TEST AND MONITOR ACCESS

- Two monitor jacks are provided on the rear panel for bridging the received signals to allow in service circuit monitoring.
- Four break-and-test jacks are provided on the rear panel for use in out-of-service testing. These jacks bypass the connections of the modular jacks. NET IN and NET OUT are used to simulate the network input and output of the TSU CSU ACE. To test the CPE, a T1 Bit Error Rate Test (BERT) test set can be used to simulate the network. Eq IN and Eq OUT can be used to simulate the CPE with a BERT test set, allowing the network to be tested. The TSU CSU ACE on the other end of the circuit can be looped back to test only the network.